.;	Determination of the Optimum Change in S/103/61/022/001/004/012 Carrier Frequencies of a Useful Signal and B019/B056 Noise in Detection of Problems on the Basis of the Theory of Games								
•	are applied to the gain functions, where the gain functions are not subjected to any special restrictions, which was the case in older papers (monotonic decrease or similarity with Green functions etc). Basing upon the theory of games it is shown that, if e.g. the gain function equals								
	$\Phi(f_1 - f_2) = \varphi \exp(-\gamma f_1 - f_2), \tag{31}$								
	the optimum combined procedure may be described by								
	$\xi_0(f_1) = \frac{1}{2+\gamma(W_1 - W_1)} \left\{ \gamma + \left[\delta(f_1 - W_1) + \delta(f_1 - W_1) \right] \right\}, \tag{32}$ $\eta_0(f_2) = \frac{1}{2+\gamma(W_2 - W_1)} \left\{ \gamma + \left[\delta(f_2 - W_1) + \delta(f_2 - W_2) \right] \right\}.$								
•	The value of the game is then								
	$v = \frac{2\varphi}{2 + \gamma(W_2 - W_1)}. \tag{33}$								
	$2+\gamma(W_2-W_3)$	*							

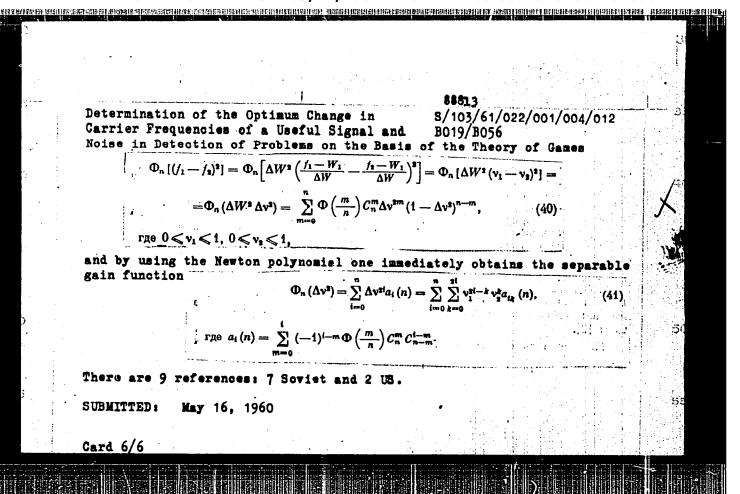
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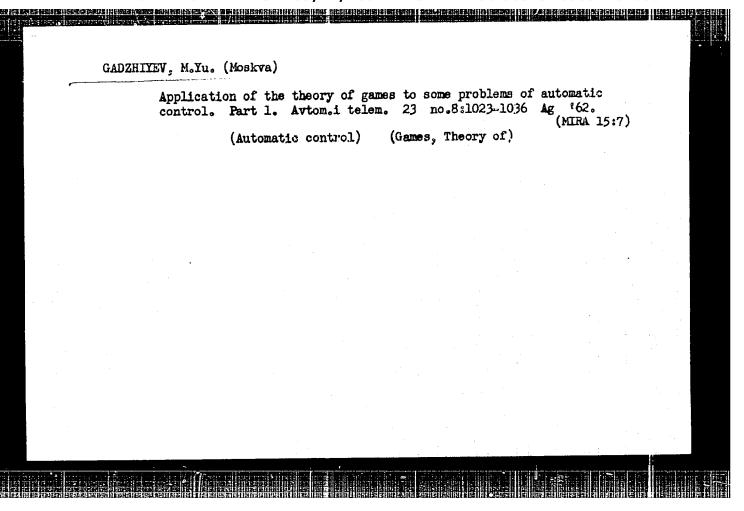
Determination of the Optimum Change in \$\frac{3}{103}/61/022/001/004/012\$\$\$ Carrier Frequencies of a Useful Signal and \$\frac{8019}{8056}\$\$\$ Noise in Detection of Problems on the Basis of the Theory of Games

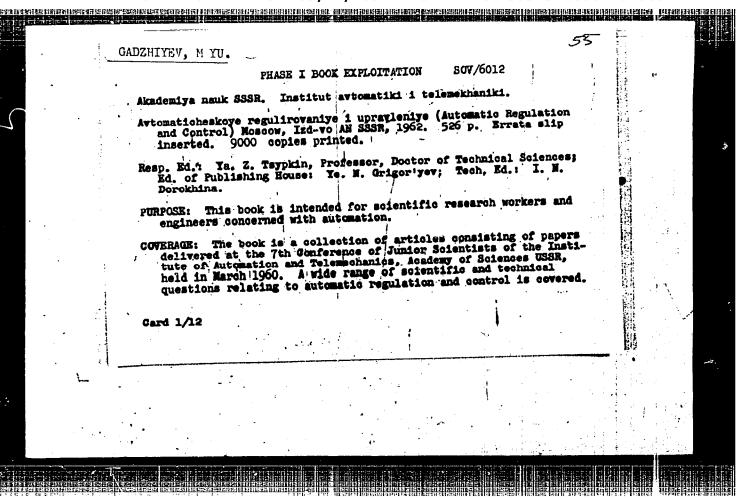
From the discussion of these equations it follows that for a broad-band interference, if its spectral density agrees with the gain function up to one factor, the emission of a white noise produces a pronounced effect upon the interferences. The shift of the carrier frequency in a finite frequency range is jump-like. The study of this approximation of the gamen leads to the so-called finite or matrix games, whose solution methods are well known and are therefore here only outlined. Using the polynomials of S. N. Bernshteyn for the approximation of the gain function, the solution of the games studied may be reduced to the solution of the so-called "separable" games. As an example, the gain functions discussed here for broad-band interference and narrow-band interference under the assumption that the spectral interference density is a fractional-rational function, are approximated by means of Bernshteyn polynomials. The approximating polynomial in this case has the form

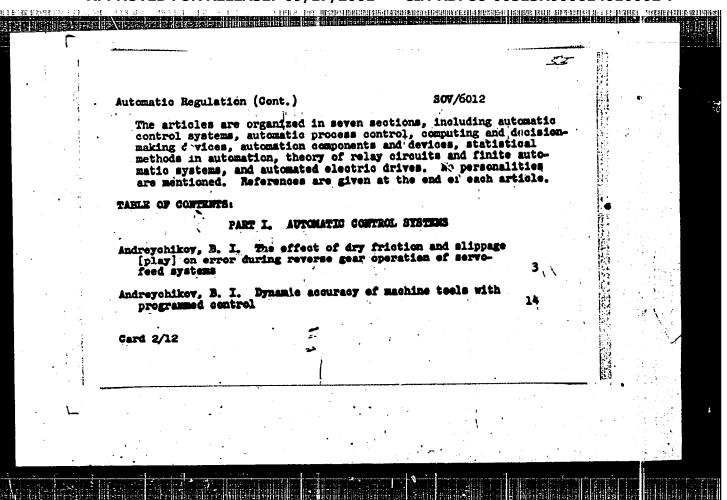
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Automatic Regulation (Cont.)	s ov /6012	
Rozovskiy, A. L. Contactless pulse-code	telemetry system	342
Silayev, V. N. A programming computer f type-casting [linotype] machine compo	for automating osition	349
Tenenbaum, L. A. Effect of flapper spectoristics of a nozzle-flapper type ve	ed on the charac- alve element	360
PART V. STATISTICAL METHOI	OS IN AUTOMATION	
Gadzhiyev, M. Yu. Optimal retuning of to quencies of useful signals and noise light of games theory	the carrier fre- studied in the	370
Kochetkov, Ye. S. Estimates of the simple characteristics of stationary random	plest statistical processes	375
Nappel'baum, E. L. Detection of a useful a background of non-Gaussian noises	ul signal against	382
Card 9/12		

5/274/63/000/002/003/019 A055/A126

AUTHOR:

Gadzhiyev, M.Yu.

TITLE:

Study of the optimum retuning of the carrier frequencies of signal and interference with the aid of the games theory

PERIODICAL:

Referativnyy zhurnal, Radiotekhnika i Elektrosvyaz, no. 2, 1963, 7 - 8, abstract 2A27 (In collection "Avtomat. regulirovaniye i upr.", M., AN SSSR, 1962, 370 - 374)

TEXT: The following problem is solved. The carrier frequencies f_2 of the signal containing useful informations and f_1 of the interference hindering the discrimination of the useful signal in a receiver can vary independently within determined limits (W_1, W_2) ; $\Delta W = W_2 - W_1$. The interference tends to reduce the difference between its carried frequency and the carrier frequency of the useful signal, whereas it is necessary to increase this difference for a better discrimination of the useful signal. The arising problem as to the determination of the best way for changing the carrier frequencies of both interference and useful signal is solved by the method of the games theory. Let us assume

Card 1/4

8/274/63/000/002/003/019

Study of the optimum retuning of the

that $S(|f|-f_1)$ is the spectral density of the interference; $G(|f|-f_2)$ is the frequency response of the receiver. The following formula is adopted as expressing the gain function:

$$\Phi(|f_1 - f_2|) = \int_{-\infty}^{\infty} S(f) \{0[f + (f_2 - f_1)] + 0[f + (f_1 - f_2)]\} df;$$

this formula coincides with the formula for the r.m.s. voltage at the receiver output when noise only is applied to its input. Let us assume also that $\xi_0(f_1)$ is the optimum mixed strategy of the interference; $\eta_0(f_2)$ is the optimum mixed strategy of the signal. For the adopted gain function

$$\bar{\Phi}(|f_1 - f_2|) = Ke^{-\gamma |f_1 - f_2|}$$

it is possible to solve the Wiener-Hopf" (Viner-Khopf) equations, well-known in the games theory, and determining the optimum mixed strategies and the price of the game y. The following result is obtained:

Card 2/4

8/274/33/000/002/003/019 A055/1126

Study of the optimum retuning of the

$$\mathbf{g}_{0}\left(\mathbf{f}_{1}\right) = \frac{1}{2+\gamma\left(\mathbf{W}_{2}-\mathbf{W}_{1}\right)}\left(\gamma+\left[\delta\left(\mathbf{f}_{1}-\mathbf{W}_{1}\right)+\left[\delta\left(\mathbf{f}_{1}-\mathbf{W}_{2}\right)+\left[\delta\left(\mathbf{f}_{1}-\mathbf{W}_{2}\right)\right]\right)\right),\tag{1}$$

where & is the Dirac delta-function. The optimum mixed strategies have the aspect of a distribution function. To the probability density of (1) corresponds the distribution function

$$F(f_1) = c_1 1 (f_1 - W_1) + c_2 (f_1 - W_2) + c_1 1 (f_1 - W_2),$$
 (2)

where 1 is the unitary function;

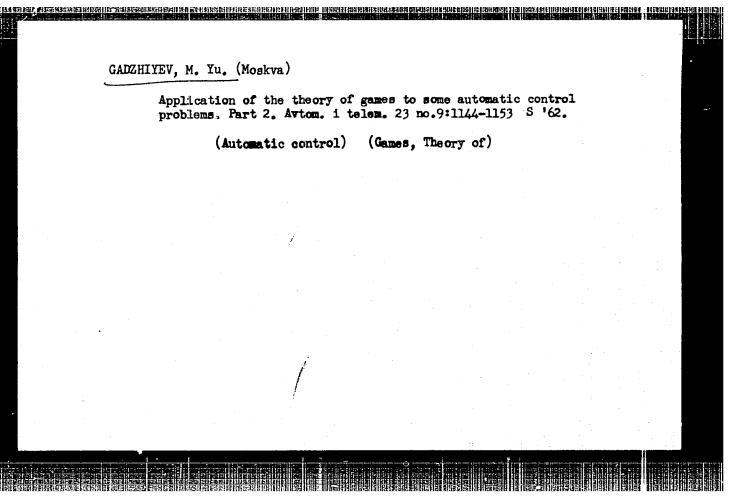
1s the unitary function,

$$2c_1 = \frac{2}{2 + \gamma (W_2 - W_1)}, \quad c_2 (W_2 - W_1) = \frac{\gamma (W_2 - W_1)}{2 + \gamma (W_2 - W_1)}. \quad (3)$$

Since parameter γ determines the width of the gain function, it follows from (3) that, when γ decreases, the probability fraction corresponding to the jumps of the distribution function (2) decreases, whereas the value of the regular distribution of the carrier frequencies over the range increases. When the product $\gamma \Delta W$ increases, the efficiency of the hindering action of the interference decreases, since the price of the game decreases. In the majority of

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USSR/Human and Animal Physiology. Blood

T-4

Abs Jour : Ref Zhur - Biol., No 14, 1958, No 65130

Author : Gedzhivev N.A.

Inst : The Azerbaydzhan Medical Institute

Title : The Change in Blood Coagulability in Alpinists in Mountainous

Areas (Preliminary Report).

Orig Pub : Sb. tr. Azerb. med. in-ta, 1956, Vyp. 2, 151-155

Abstract: The blood clotting function of 32 alpinists was studied (by

the Mas-Margo method) 1-2 days after being in an alpinist camp, during climbs and marches at altitudes of 3800 meters and higher, and after climbs. At elevations of 400 meters and above all the participants in the ascent experienced of insufficiency, and from 4200 meters on up epistaxis was observed in some of them. At elevations of 3500-4500 meters the clotting time of the majority of participants was prolonged by 3-5 minutes. The lowering of the partial pressure of 02 was the principal cause of the prolonged clotting time. A mountain climate also influences coagulability to

Card: 1/1 a certain extent. -- A.D. Belodorodova

GADZHIYEV, N.A., Gand Med Sci -- (diss) "Change in the hemodynamic indicators, coagulating capacity, and morp ology of neripheral blood, the property balance in mountain climbers in the high mountain regions of the Caucasus."

Baku, 1958, 23 pp (Azerbaydzhan State Med Inst im N.

Narimanov) 250 copies (KL, 50-58, 128)

- 116 -

TAIROV, A.P., dots.; GADZHIYEV, N.A., ordinator.

Unusual case of chronic transverse volvulus of the stomach in the presence of a third anomalous omentum and relaxation of the left diaphragmatic cupola. Khirurgiia 34 no.12:80-83 D '58. (MIRA 12:1)

1. Iz fakul'tetskoy khirurgicheakoy kliniki (mav. knfedry - prof. F. A. Mrendiyev) pediatricheakoge i sanitarnogo fakul'tetov Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta.

(STOMACH, dis.

torsion in omental abnorm & diaphragmatic relaxation (Mus.))

(OMENTUM, abnorm.

with gastric torsion & diaphragmatic relaxation (Mus.))

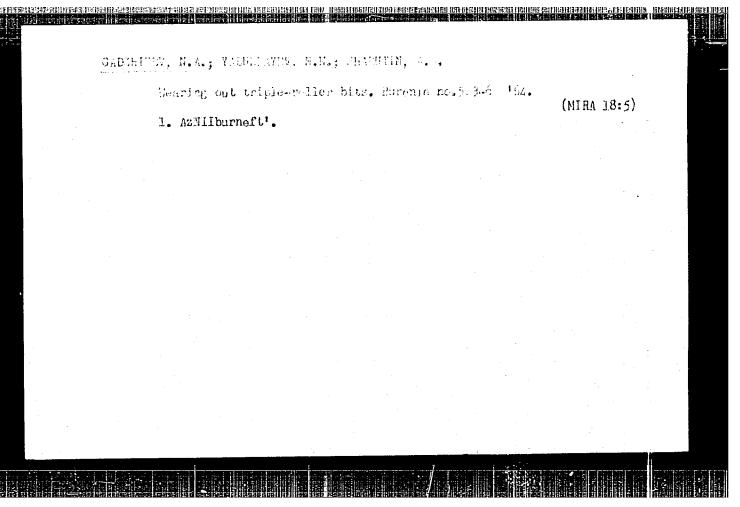
(DIAPHRAGM, abnorm.

relaxation with gastric torsion & omental abnorm. (Mus.))

DZHALILOV, N.M.; ASKEROV, K.A.; GADZHIYEV, N.A.; GANICHKIN, V.V.;
KAGRAMANOV, I.M.

Wear of tricone bits in turbodrilling in the Zyrya area. Azerb.
neft. khoz. 42 no.1:18-20 Ja '63.

(Apsheron Peninsula—Oil well drilling—Equipment and supplies)
(Mechanical wear)

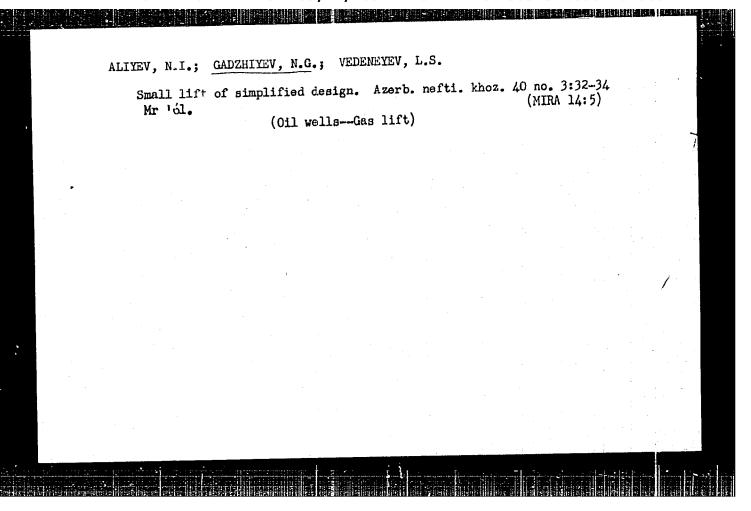


ALIYEV, Sh.N.; GADZHIYEV, N.A.; MELKUMOV, R.M.

Effect of the curvature of the hole on the capacity of a deep well pump. Mash. i neft. obor. no.12:7-9 164.

(MIRA 18:1)

1. Azerbaydzhanskiy nauchno-issledovatel*skiy institut po dobyche nefti.



ALIKHANOV, E.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.; ALIZADE, M.A.; AZIZBEK V, Sh.A.; EAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; EHKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, K.K.; DADASHEV, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NESRULLAYEV, N.I.; ORUDZHEV, A.K.; RADZHALOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOFCIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; FFENDIYEV, G.Kh.; SHUFYUROVA, Z.Z.

ALIKHANOV, E.N.; ARUSHANOV, N.A.; AKHUNDOV, V.Yu.: ALIZADE, M.A.; AZIZBEKOV, Sh.A.; BAGIROV, M.A.; VEZIROV, S.A.; VOLOBUYEV, V.R.; VEKILOV, F.M.; GADZHIYEV, N.M.; GUSEYNOV, D.M.; GUSEYNOV, I.A.; DADASHEV, K.K.; DADASHZADE, M.A.; DALIN, M.A.; ISKENDEROV, M.A.; KAZIYEV, M.A.; KARAYEV, A.I.; KASHKAY, M.S.; KEL'DYSH, M.V.; KERIMOV, A.G.; LEMBERANSKIY, A.D.; MAMEDOV, G.K.; MEKHTIYEV, M.R.; MIRZOYEV, S.A.; NAGIYEV, M.F.; NASRULLAYEV, N.I.; OGUDZHEV, A.K.; RADZHABOV, R.A.; RUDNEV, K.N.; SADYKHOV, R.N.; SEMENOV, N.N.; TOPCHIYEV, A.V.; TOPCHIBASHEV, M.A.; TAIROVA, T.A.; KHALILOV, Z.I.; EFENDIYEV, G.Kh.; SHUKYUROVA, Z.Z.

IUsif Geidarovich Mamedaliev. Azerb.khim.zhur. no.6:5-6 '61. (MIRA 15:5) (Mamedaliev, IUsif Geidarovich, 1905-1961)

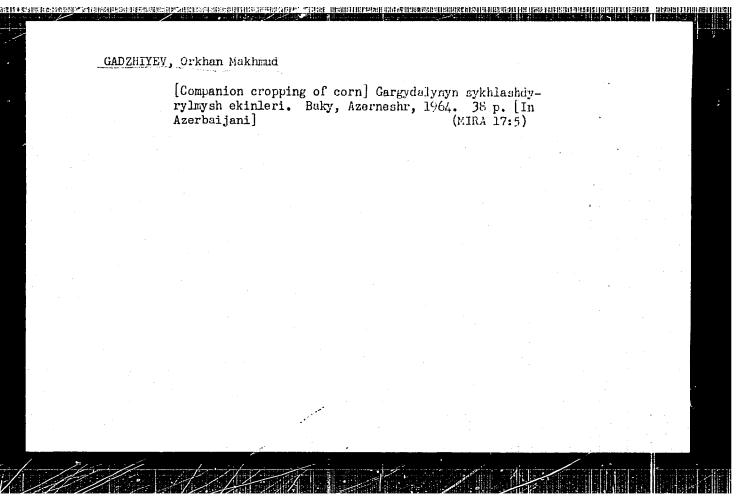
GADZHIYEV, N.N.

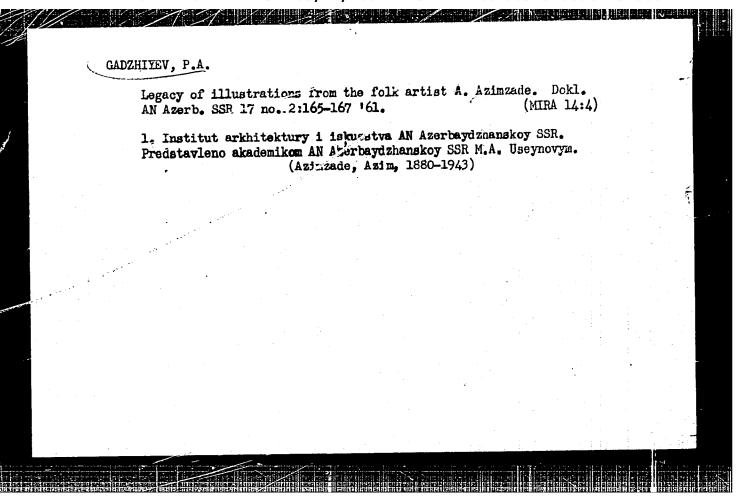
Two cases of tuberculomas of the liver. Probl. tub. no.8: 102-104:62. (MIRA 16:9)

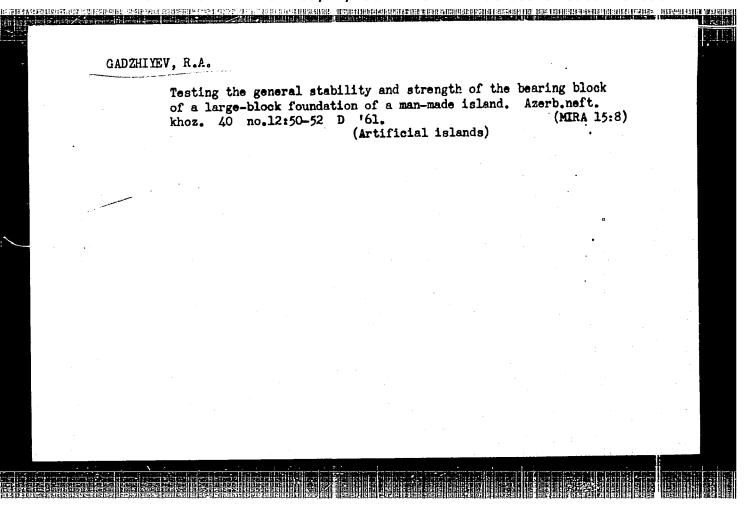
1. Iz kliniki fakul tetskov khirurgii (zav. - zasluzhennyy deyatel nauki Dagestanskov ASSR prof. R.P.Askerkhanov) Dagestanskogo meditsinskogo instituta.

(LIVER-TURERCULOSIS)

GADZHIYEV, O. M., Cand Agric Sci (diss) -- "The effect of dense sowing of corn on the harvest and quality of fodder under irrigated conditions in the western part of Azerbaydzhan". Kirovabad, 1959. 17 pp (Min Agric Azerb SSR, Azerb Acad Agric Sci, Sci Res Inst of Agric), 150 copies (KL, No 10, 1960, 134)





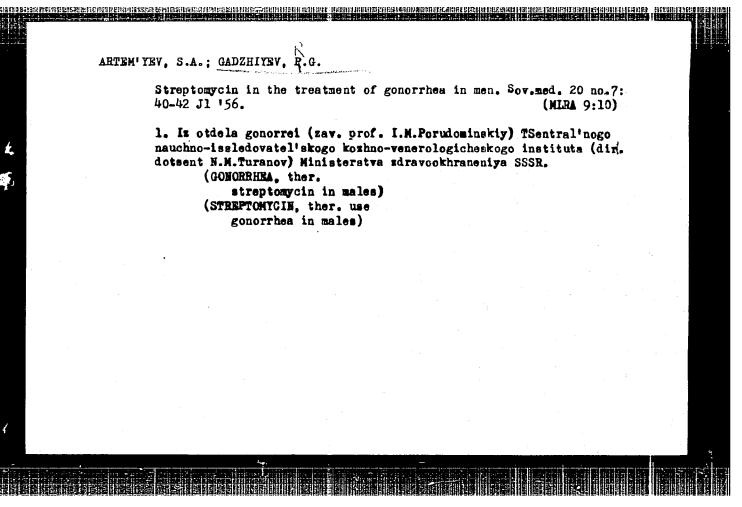


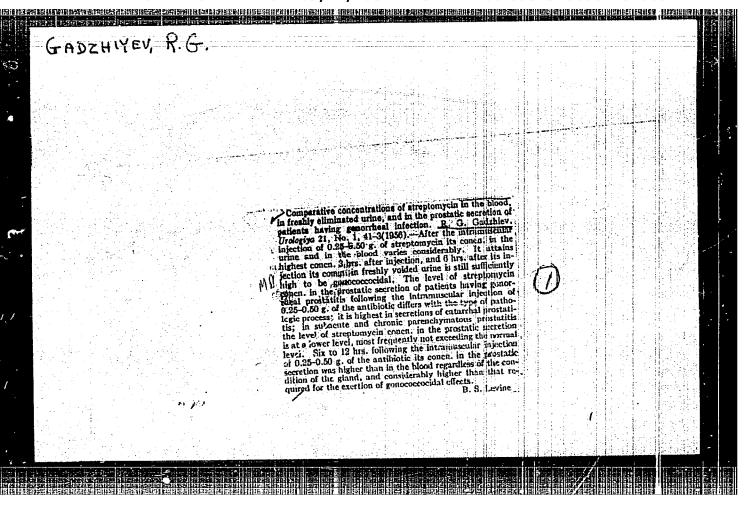
CADERIYEV, R.G., klinicheskiy ordinator.

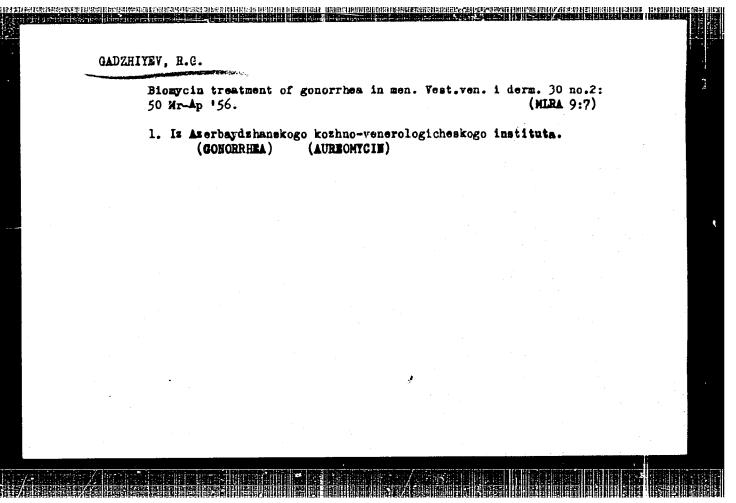
Effect of streptomycin on Gonococci. Vest.ven.i derm. uc.5:32-35 S-0'53.

1. Is otdela gonorrei (zavednyushchiy - professor I.M.Forudominskiy) i otdela mikrobiologii (zavednyushchiy - professor M.M.Orchinnikov)
Tsentral'nogo koshno-venerologicheskogo instituta (direktor - kandizat meditsinskikh nauk W.M.Turanov) Ministerstva zavavokhraneniya SSSR,

(Streptomycin) (Gonorrhea)







PORUDOMINSKIY, I.M.; ARIEMIYSV, S.A.; LURIYE, S.S.; NYUNIKOVA, O.I.;

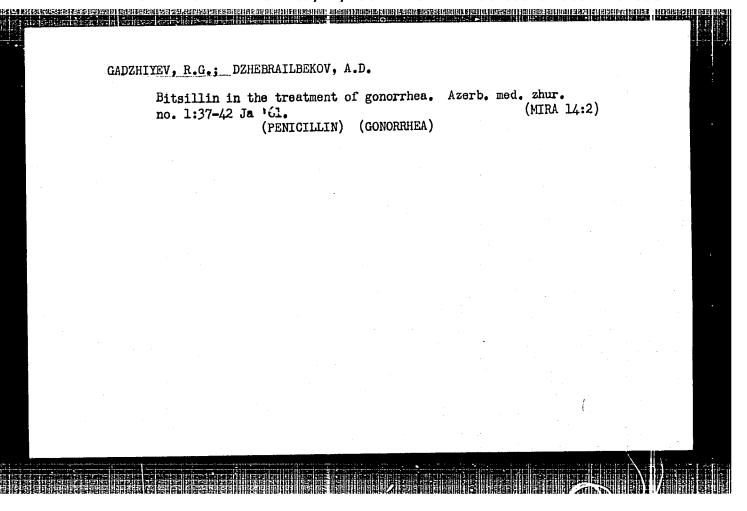
CADZHIYEV, R.G.; DZHERRAILERKOV, A.D.

Bicillin-l and bicillin-d in the therapy of gonorrhea. Vest.derm.
i ven. 34 no.8162-66 '60.

1. IZ Sentral'nogo -auchno-issledovatel'skogo kozhno-venerologicheskogo institute (dir. - kand.med.nauk N.M. Turnov) Ministerstva zdravookhraneniya RSFSR i 2-y kafedry kozhnykh i venericheskikh bolezmey (zav. - zasluzhennyy deyatel' nauki prof.
B.A. Eyvazov) Azerbaydzhanskogo mediteinskogo instituta.

(GONORRHEA)

(PENICILLIN)



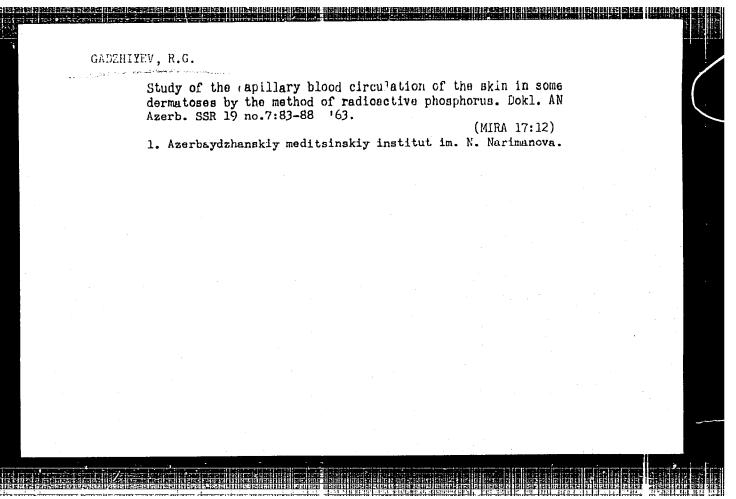
GADZHIYEV, R.G. (Baku)

Comparative evaluation of the effect of naphthalan and its individual fractions on the permability of the skin under experimental conditions. Vest. derm. 1 ven. no.9:77-79162.

(MIHA 16:7)

1. Iz 2-oy kafedry kozhnykh i venericheskikh bolezney (zav. prof. B.A.Eyvazov) Azerbaydzhanskogo meditsinskogo instituta imeni N. Narimanova.

(SKIN---PERMEABILITY) (NAPHTHALAN)



GADZHIYEV, R.G.

Basis for treating certain dermatoses with radioactive phosphorus (F 32). Vest. derm. i ven. 37 no.5:35-40 My 163.

(MIRA 17:5)

1. Vtoraya kafedra kozhnykh i venericheskikh belezney (zav. prof. B.A. Eyvazov) Azerbaydzhanskogo meditsinskogo instituta
imeni N. Narimanova i otdeleniye patologicheskoy morfologii (zav.prof. L.V. Fayntanteyn) TSentral'nogo nauchno-issledovatel'skogo
instituta meditsinskoy radiologii.

Gadzhlyev, R.G., kand.med.nauk

Late results of radioactive phosphorus therapy of eczena and neurodermatitis. Vest. derm. i ven. 37 no.9:39-43 S '63.

L. 2-ya kafedra kozhnykh i venericheskich bolezney (zav. - zapluzhennyy deyatel' nauki prof. B.A. Eyvazov) haerbaydzhanskogo gosudarstvennogo meditsinskogo instituta imeni N. Harimanova.

GADZHIYEV, R.G., kand.med.nauk

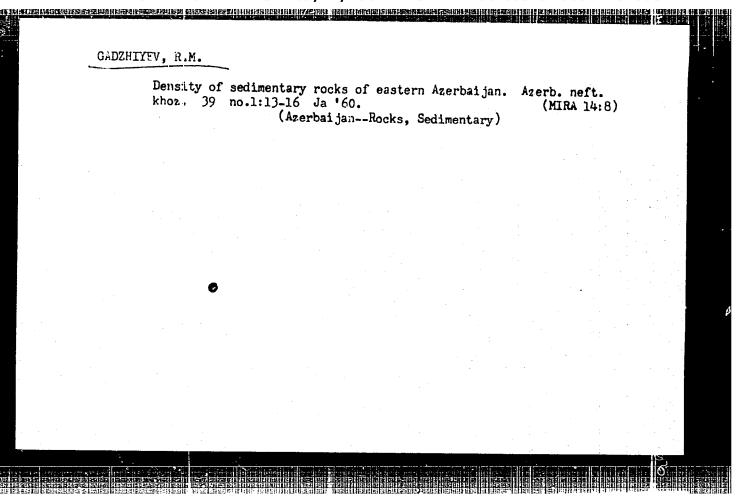
Study of the physiological regeneration of the epidermis and its appendages by the method of histoautoradiography. Vest. derm. i ven. 38 no.9:25-30 S *64. (MIRA 18:4)

l. Kafedra kozhnykh i venericheskikh bolezney (zav. - prof. B.A. Eyvazov) Azerbaydzhanskogo meditsinskogo instituta imeni Narimarova i laboratoriya patologicheskoy anatomii (zav. - prof. L.V.Funsh' yn) TSentral'nogo nauchno-issledovatel'skogo rentgeno-radiologicheskogo instituta Ministerstva zdravookhraneniya SSSR, Baku.

GADZHIYEV, R.G., kand. med. nauk

Late results of local irradiation by radicactive phosphorus in capillary angioma of the skin. Azerb. med. zhur. 41 no.22 52-59 F 164 (MIRA 18:1)

1. Tz 2-y kafedry ozhnykh i venericheskikh bolezney Azerbaydzhanskogo gosudarstvennogo meditsinskogo instituta imeni N. Narimanova.



S/035/62/000/008/079/090 A001/A101

AUTHORS:

Gadzhiyev, R. M., Gasanov, I. S., Shapirovskiy, N. I.

TITLE:

New techniques and methods of marine gravimetric investigations

PERIODICAL:

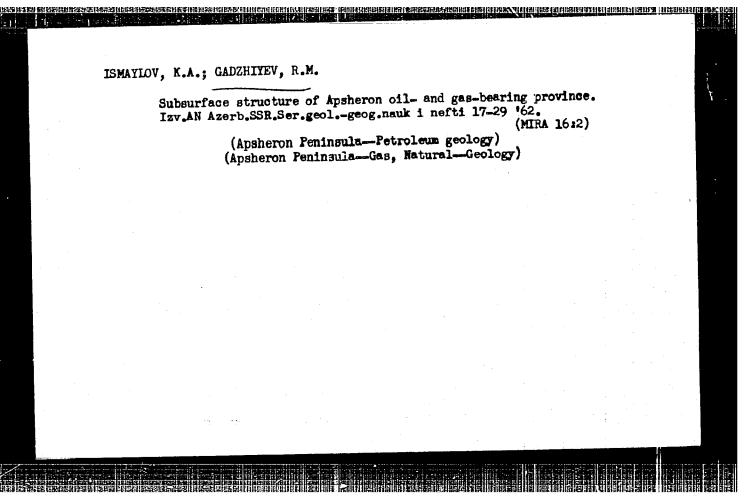
Referativnyy zhurnal, Astronomiya i Geodeziya, no. 8, 1962, 25, abstract 8G218 ("Novosti neft. i gaz. tekhn. Geologiya", 1961, no. 4,

30 - 31)

TEXT: The method of marine gravimetric observations without anchoring the vessel is described. This method became possible as a result of time reduction necessary for measurements at the expense of eliminating interactions in electric circuits of the AFHE (DGPYe) gravimeter; this was achieved by separate feeding the circuits of thermostat and reading device. When the ship moves from one observational point to the other, the gravimeter is not set on the deck, but is suspended to a crown beam mounted on the deck in the stern part of the ship. Lifting and sinking operations are conducted by one technician from the panel board. A small number of reference-knot points are established, fixed reliably beacons on the sea. Drifting of gravimeter zero is taken into account by observations at the reference-knot points. The employment of the anchorless method of

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SHAPIROVSKIY, Natan Il°ich; GADZHIYEV, R.M.; DZHAFAROV, Kh.D., red.;
RASHEVSKAYA, T.A., red. izd-va; NASIROV, N., tekhn. red.

[Geophysical prospecting at sea]Morskaia geofizicheskaia razvedka. Baku, Azerbaidzhanskoe gos.izd-vo, 1962. 154 p.

(MRA 15:9)

(Caspian Sea---Prospecting---Geophysical methods)

ACCESSION NR: AR4008228

s/0169/63/000/011/D023/D023

SOURCE: RZh. Geofizika, Abs. 11D134

AUTHOR: Tereshko, D. L.; Gadzhiyev, R. M.; Gasanov, I. S.

TITLE: Marine gravimetric operations

CITED SOURCE: Sb. Geofiz. izuch. geol. stroyeniya neftegazonosn. obl. Azerbaydzhana, Baku, Azerb. gos. izd-vo, 1963, 58-64

TOPIC TAGS: gravimetry, marine gravimetry, marine gravimetry history, pendulum survey, Apsheron peninsula gravimetry, geophysical instrument, marine gravimetric survey

TRANSLATION: The authors describe the history of marine gravimetry, starting with the pendulum survey of 1930 of the route from Baku to the Kura River delta. Prior to 1954, this work was basically of an experimental character. Its aim was to test and master Soviet equipment and to develop techniques of marine surveying using this apparatus; at the same time, the goal was to have the aquatorial around the Apsheron Peninsula covered by an area survey with an average density of 1 point Card 1/2

ACCESSION NR: AR4008228

per 10-12 km2. A small bottom gravimeter began to be used in 1956. An anchorless observational technique has been in use since 1958. By the end of 1959, gravimetric surveys covered the entire aquatorial of the Baku Archipelago down to a depth of 100-200 m to the east and up to the national boundary on the south for an area of about 9 thousand km². The grid density is 1 point per 8-10 km² on the area of about y chousand and. The grid density is I point per 0.3 to ± 0.7 mgal. The average; the mean square error per measurement is from ± 0.3 to ± 0.7 mgal. The latest surveys were used to construct a map of Bouguer anomalies with isolines over 2 mgal, constructed in conformance to the map of the adjacent land. Bottom gravimetry operations continued in 1960 in the southern part of the Apsheron Peninsula, between Makarov Bank and Neftyany*ye Kamni. In the future, the intention is to survey the entire Apsheron shelf, as well as to continue the survey to the south of the Apsheron Peninsula all the way to the Dagestan border. I. Yesakov.

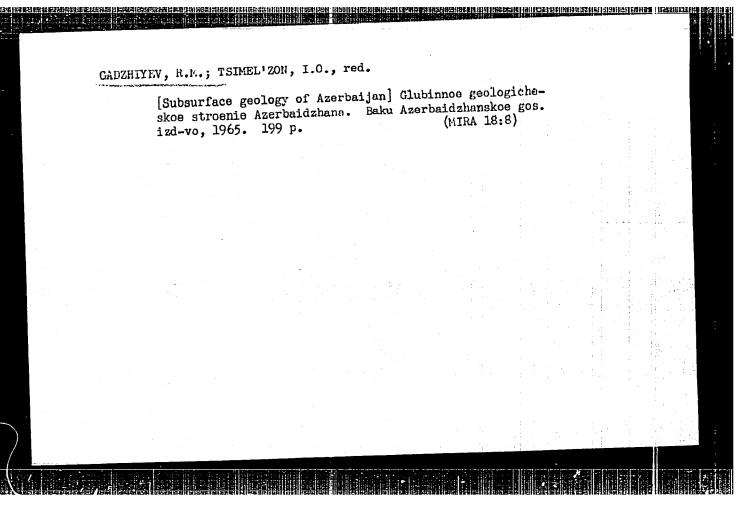
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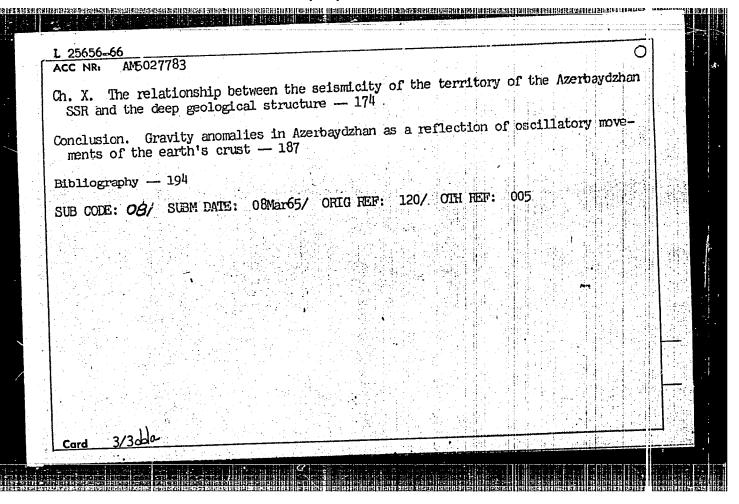
Card 2/2

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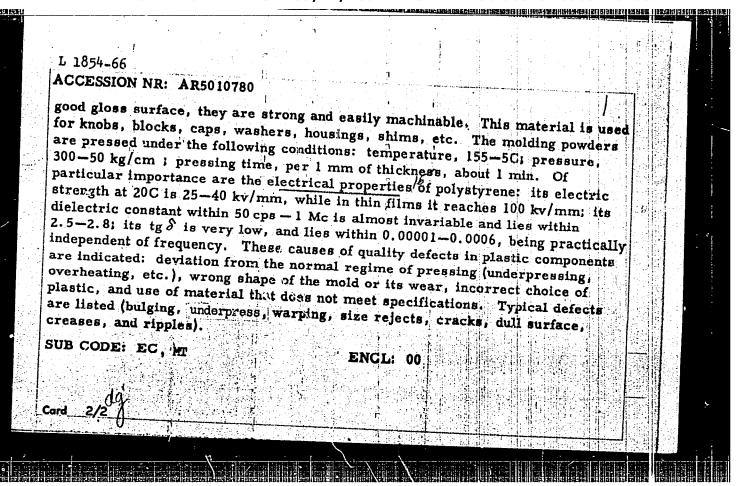


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	Foreword — 4 Ch. I. Main characteristic features of the geological structure of Azerbaydzhan — 5
	Ch. II. Geophysical data which provide information on the deep geological scottant of Azerbaydzhan— 17
	Ch. III. Physical properties of Azerbaydzhan rocks — 21
	Ch. IV. The geological importance of the regional gravitational anomalies of
	Ch. V. The structure of the Azerbayozhan part of the Ciscaucasian megasynalinolium - 77 clinorium - 77
	Ch. VI. The deep structure of the mega-anticlinorium of the Great Caucasus — 87
	Ch. VII. The deep structure of the South Caspian depression 104
	The deep structure of the Kurinskiy intermontane trough 120
	Ch. IX. The deep structure of the Azerbaydzhan part of the mega-enticlinorium of the Little Caucasus — 157.
	Card 2/3



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	AUTHOR: Gadzhlyev, R. V. 44,5
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СТАРУНІКЕЛ, 2.

AUTHOR:

Gadzhiyay, S.

2-5-5/11

TITLE:

From the History of the Local Organs of State Statistics in the First Years of Soviet Power (Iz istorii organizatsii mestnykh organov gosudarstvennoy statistiki v pervyje godj sovetskoy

vlasti)

PERIODICAL:

Vestnik Statistiki, 1957, # 5, p 52-60 (USOR)

ABSTRACT:

The author refers to the very beginning of Soviet Statistics from October 1917 - February 1918. During this period the Soviets had to organize their statistical staff in guberniya, uyezd and volost' (administrative districts in pre-revolutionary Russia). As far as they found the personnel trustworthy, they took over partly the still existing tsarist statistical institutions and tried besides to build up as fast as possible their own communist statistical institutions.

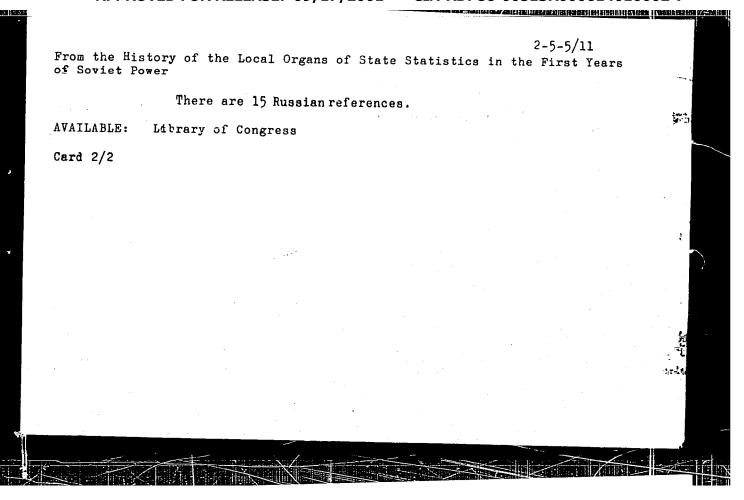
In Moscow, Samara, Petrograd, Yaroslavl', Nizhniy Novgorod, Kazan', Saratov and Perm courses were organized to educate new

Soviet statisticians.

The first development period of Soviet statistics was terminated on 17th July 1923, when the TsIK SSSR brought forward a decision to establish a Central Statistic Administration

Card 1/2

attached to the Soviet Narodnykh Komissarov WOOR



sov/56-35-5-35/56 21(8) Mukhtarov, A. I., Cadzhiyev, S. A. AUTHORS: The Radiative Disintegration of the π^+ -Meson and the Considera-TITLE: tion of Non-Conservation of Parity (Radiatsionnyy raspad π+ -mezona i uchet nesokhraneniya chetnosti) Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958, PERTODICAL: Vol 35, Nr 5, pp 1283-1285 (USSR) The longitudinal polarization of particles is a consequence ABSTRACT: of the non-conservation of parity in the presence of weak interactions. The investigation of radiation decay $\pi^{+}\to\mu^{+}+\nu$ + γ shows that parity can also not be conserved in mixed interactions. For this purpose, the decay equation for the four-component theory of the neutrino is written . down. The longitudinal polarization of the muon and the neutrino are accounted for by introducing a projecting operator of the form \overrightarrow{o} \overrightarrow{p}/p . The eigenvalues of this parameter $(s_{\mu}$ and $s_{\nu})$ then describe the longitudinal polarization of the muon and the neutrino. Next, an expression for the decay probability Card 1/3

of a resting pion will be derived. Three terms of this expression are due to the non-conservation of parity, i.e. to longitudinal polarization of the muon, neutrino and y-quantum. In order to facilitate analysis of the expression for the disintegration probability, the pulse of the muon is assumed as being very small. The pulses of the y-quantum are assumed as being anti-parallel. The analysis of the decay probability leads to the following results: a) If the spin of the muon is contrary to the direction of motion of the γ -quantum, the decay probability differs from "O" only if during decay a neutrino is emitted and if the emitted y-quantum is polarized circularly to the right; b) If the spin of the muon points in the direction of motion of the 7-quantum, a decay of the pion is feasible under emission of one antineutrino and one γ -quantum with left circular polarization. If the pion decays under amission of a neutrino, its spin must then form an angle of 130° with the direction of the \gamma-quantum (if the pulse of the muon is small). In case of disintegration of the antineutrino this angle must be almost "O". There are 2 references, 1 of which is Soviet.

Card 2/3

sov/56-35-5-35/56 The Radiative Disintegration of the π^+ -Meson and the Consideration of Non-Conservation of Parity

ASSOCIATION: Azerbaydzhanskiy gosudarstvennyy universitet (Azerbaydzhan State University)

SUBMITTED: June 13, 1958

Card 3/3

CIA-RDP86-00513R000614010002-7" **APPROVED FOR RELEASE: 09/17/2001**

MUKHTAROV, A.I.; GADZHIYEV, S.A.

Radiative decay of J+-mesons and calculation of the nonconservation of parity. Zhur. eksp. i teor. fiz. 35 no.5:1283-1285 % '58.

(MIRA 12:5)

1.Aser baydshanskiy gosudarstvennyy universitet.

(Mesons--Decay)

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21(8)

AUTHORS:

Kerimov, B. K., Mukhtarov, A. I.,

SOV/56-37-2-47/56

Gadzhiyev, S. A.

TITLE:

Polarization Effects in the Decay $\pi^0 \rightarrow e^- + e^+ + \gamma$

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1959,

Vol 37, Nr 2(8), pp 575-576 (USSR)

ABSTRACT:

Recently (Refs 1,2) cases of a charge exchange scattering of

negative pions on hydrogen $(\pi^{-} + p \rightarrow \pi^{0} + n)$ with a subsequent decay of the neutral pion according to the Dalitts scheme into an electron-positron pair and into a y-quantum were recorded. In the present paper the results of a calculation of the decay of the neutral pion according to the above scheme taking into account the spin states (of the longitudinal polarizations) of the electron-positron pair produced and of the y-quantum are presented. The Hamiltonian of the direct interaction for the process mentioned above takes the form $H_{\text{int}} = eg\psi_{\pi^e} \left\{ \psi_{e^-}^+ O_i D^{-1} (\overrightarrow{\alpha} \overrightarrow{A}^+) \psi_{e^+} + (\psi_{e^-}^+ \overrightarrow{\alpha} \overrightarrow{A}^+ D^{-1}) O_i \psi_{e^+} \right\}$. In this equation ψ_{π^e} , $\psi_{e^+}^+$, ψ_{e^+} and \overrightarrow{A}^+ denote the wave funct-

Card 1/3

ions of the π^0 meson, the electron, positron, and of the

Polarization Effects in the Decay $\pi^0 \rightarrow e^- + e^{\frac{1}{7}} + \gamma$ SOV/56-37-2-47/56

 γ -quantum. D represents the Dirac operator, $\vec{\alpha} = \vec{\gamma} \vec{\sigma}$ the Dirac matrices, $0_i = 0_2$ holding, if the π^0 meson is pseudoscalar, and $0_i = 0_3$, if it is a scalar particle. In the sequel an expression for the probability of the decay in question $\vec{\pi}^0 \rightarrow \vec{e}^- + \vec{e}^+ + \gamma$ is derived

 $dW(s_{-},s_{+},1,\theta) = \frac{e^{2}g^{2}}{k^{2}c4(2\pi)^{3}} \frac{k_{+}^{2}d\Omega_{+}(dk_{-})}{k_{o\pi}k_{+}K_{-}(k_{o\pi}-K_{-})+k_{o\pi}K_{-}k_{-}K_{+}\cos\theta}$

. $\{\Phi_1+s_s_\Phi_2+ls_\Phi_3+ls_\Phi_4\}$. The rether lengthy expressions occurring in this equation for Φ_1 , Φ_2 , Φ_3 , and Φ_4 are written down explicitly. The formula for $dW(s_,s_,l,\theta)$ gives the angular dependence and the energy dependence of the degree of longitudinal polarization and of the correlations between the polarizations (the terms s's s, ls, ls) in the decay

 $\pi^0 \rightarrow e^- + e^+ + \gamma$. This may be of use in the collection of data on the properties of the neutral pion. According to the

Card 2/3

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Polarization Effects in the Decay $\pi^0 \rightarrow e^- + e^+ + \gamma$ SOV/56-37-2-47/56

formulas derived herein the decay probability in $\pi \xrightarrow{0} e^- + e^+ + \gamma$ for the extreme relativistic decay electrons and positrons (if k_- , $k_+ \gg k_0$ and $\Phi_1 = \Phi_2$, $\Phi_3 = \Phi_4$ is true) differ from zero only if the electrons and the positrons of the pairs exhibit either a left or right polarization. The authors express atheir gratitude to A. A. Sokolov for the constant interest shown in this work. There are 5 references, 2 of which are Soviet.

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet (Moscow State Uni-

versity)

SUBMITTED ::

May 16, 1959

Card 3/3

GADZHIYEV. S.A.; MUKHTAROV, A.I.

Internal bremsstrahlung of a A-meson. Izv.vyc.ucheb.zav.; fiz.
no.3:195-107 '60. (MIRA 13:7)

1. Azerbaydzhanskiy gosuniversitet im. S.M. Kirova.
(Bremsstrahlung) (Mesons)

S/139/60/000/03/035/045 Gadzhiyev, S.A. and Mukhtarov, A.I. **AUTHORS:** On the Disintegration of the $\mu_{\underline{}}^{+}$ TITLE: Izvestiya vysshikh uchebnykh zavedeniy, Fizika, PERIODICAL: 1960, No 3, pp 195 - 197 (USSR) The present paper is concerned with the process ABSTRACT: $\mu \rightarrow$ e + $\sqrt{ + \sqrt{1 + \gamma}}$ + γ . It is well known that on the two-component theory s = -1/2 $s_{v}^{-} = +1$ for the antineutrino. for the neutrino and However, on the 4-component theory both the neutrino and the anti $s = \pm 1 \ (s_{\mathbf{v}, \mathbf{v}} = \pm 1) \ .$ neutrino have that on the two-component theory the probability of the above mode of disintegration of the $\mu\text{-meson}$ is identically zem(Eq 5). The two-component theory does not allow the above process through the scalar, pseudo-scalar and tensor variants of the interaction. Thus, an experimental confirmation of the fact that this mode is forbidden would be an additional confirmation both of the two-component theory of the neutrino and Card1/2

S/139/60/000/03/035/045 E032/E314 meson

On the Disintegration of the μ_{\perp}^{+}

ntegration of the µ_

and the universal interaction theory of Feynman and Gell-Mann (Ref 3). In the case of the VA variants of the interaction, the probability of disintegration is found to be proportional to $1 - s_{ij} s_{ij}^{m}$ and is

therefore finite on the two-component theory of the neutrino; the latter point will be investigated further in a future paper. Acknowledgments are made to

Professor A.A. Sokolov and B.K. Kerimov for valuable advice and discussions.

There are 9 references, 4 of which are Soviet and

5 English.

ASSOCIATION: Azerbaydzhanskiy gosuniversitet imeni S.M. Kirova

(Azerbaydzhan State University imeni S.M. Kirov)

SUBMITTED: May 21, 1959

Card 2/2

MUKHTAROV, A.I.; EYLANBEKOV, R.G.; GADZHIYEV, S.A.

Radiative decay of the temperature and temperature and

MUKHTAROV, A.I.; FILANEEKOV, R.G.; GADZHIYEV, S.A.

Radiation decay of a charge T-meson. Dokl.AN Azerb.SSR 16 no.10:
935-940 '60.

1. Institut fiziki AN AzerbSSR. Predstavleno Akademikom AN AzerbSSR
Z.I. Khalilovym.

(Mesons--Decay)

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AUTHORS:

Mukhtarov, A.I., Eilanbekov, R.G., Gadzhiyev, S.A.

TITLE:

On the radiative decay of charged II -mesons

PERIODICAL: Referativnyy zhurnal, Fizika, no. 9, 1961, 37, abstract 9B126 ("Dokl AN AzerbSSR", 1960, v. 16, no. 10, 935-940, Azerb. summary)

The authors investigated angular and energy distributions at radiative decays $\pi \rightarrow \mu + \nu + \gamma$ and $\pi \rightarrow e + \nu + \gamma$ for the scalar and pseudoscalar variants of direct interaction with allowance for longitudinal polarization of the particles and anomalous magnetic moment of μ -meson (electron). It is shown that contribution in decay probability of the terms caused by the anomalous magnetic moments of the electron and μ -meson, amounts to \approx 0.1%. In the non-relativistic approximation relative to the μ -meson the total probability of a radiative $\mathcal{T} \longrightarrow \mu$ decay does not depend on the longitudinal polarization of the μ -meson; in the case of a radiative $\mathcal{T} \longrightarrow \ell$ decay, high-energy electrons must be polarized along their momenta and positrons - in the opposite sense. The authors present the graphs of energy spectrum of electrons and angular distribu-

Card 1/2

30400

On the radiative decay of charged $\widetilde{\mathcal{J}}$ -mesons

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tion of decay photons. They note that if in the formulae derived by them summing is carried out by polarization states of the electron (μ -meson) and photon and anomalous magnetic moment is neglected, the result of Vaks and Foffe (RZhFiz, 1959, no. 7, 14829) is obtained.

B. Kerimov

[Abstracter's note: Complete translation]

Card 2/2

GADZHIYEV, S. A., CAND PHYS-MATH SCI, "POLARIZATION EFFECTS IN THE DECAY OF JE- AND K- MESONS." BAKU, PUBLISHING HOUSE OF ACAD SCI AZSSR, 1961. (AZERBAYDZHAN STATE UNIV IMENI S. M. KIROV. AZERBAYDZHAN STATE PED OF INST IMENI V. I. LENIN. INST OF PHYS. ACAD SCI AZSSR). (KL-DV, 11-61, 208).

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24.6610

AUTHOR:

Gadzhiyev, S.A.

TITLE:

Concerning $K_{e,t,3}$ decay

PERIODICAL:

Referativnyy zhurnal. Fizika, no. 12, 1961, 43, abstract 12A507 (Izv. AN AzerbSSR. Ser. fiz.-matem. i tekhn. n., 1960, no. 4, 73-

78, Azerb. summary)

TEXT: There is derived a general expression for the probability of Ku3 and $K_{\rm e3}$ decay taking into account longitudinal polarization of the muon and electron for the V + A and S + P variants of weak interaction. The energy spectra of the muon, electron and neutrino are also given. The degree of longitudinal polarization of the muon and electron is calculated as a function of muon and pion energy. A full vector variant taking into account Ulenbek-Konopinskiy interaction is then examined. The general probability expression, the energy spectrum and the degree of longitudinal polarization of the muon are expressed through angular and spin correlations between the muon and the neutrino. It is demonstrated that muons ejected at a 0° and 180° angle relative to the direction of emergence of the neutrino are polarized longitudinally almost completely.

[Abstracter's note: Complete translation] Card 1/1

B. Kerimov

5/056/62/043/004/022/061 B102/B180 Gadzhiyev, S. A., Mukhturov, A. I. Polarization effects in radiative decay of pions AUTHORS: Zhurnal eksperimental noy i teoreticheskoy fiziki, v. 45, TITLE: nc. 4(10), 1962, 1275 - 1280 PERIGUICAL: TEXT: The radiative decay of charged pions according to the mode The (m) + v + v is investigated for the V+A variants of direct weak interaction, taking account of the longitudinal spin polarization of the fermaction, taking account of the longitudinal spin polarization of the fermions and for equanta produced. The pion decay graph shown in Fig. 1 a has ions and for equanta produced. The pion decay graph shown in Fig. 1 a has ions and for equanta produced. The pion decay graph shown in Fig. 1 a has interested by the authors (e. g. ZhETF, 35, 1283, 1958) and it has been shown that a and b do not interfer for more poly is here considered and the results compared with those for a form march between the pion down probability. those for a. For graph b the pion decay probability $e^3a^3g^2A^{3k}o^{n}$ (d^3x) (d^3k) $(s, -l\lambda)^2\{1-\beta\cos\theta\cos\theta_1-d^3x\}$ (3) is $dW = \frac{1}{(2\pi)^3 h^3 c}$ $-ss.(\beta - \cos\theta \cos\theta_1) + ls.(\cos\theta_1 - \cos\theta) +$ + $ls(\cos\theta - \beta\cos\theta_1)$ $\delta(k_{on} - K - k_{o} - \kappa)$, Oard 1/4

s/056/62/043/004/022/061 B102/B180

Polarization effects ...

obtained; s and s, characterize the longitudinal polarization of the electron and neutrino spins, l=1 denotes right-hand and l=-1 left-hand circular polarization; k is the pion rest mass, ckk, (ckk) and kk, (kk) are fermion (photon) energy and momentum, a and b are pion structural constants. After integrating with respect to photon and electron energies,

$$dW(\alpha, l, s) = \frac{Ak_{0n}^3 d\Omega}{2^{10}\alpha^3} (1 - ss_v) (s_v - l\lambda)^3 \left\{ \alpha \left(45 - \frac{181}{2} \alpha + 48\alpha^3 - \frac{87}{12} \alpha^3 \right) + (1 - \alpha) (45 - 63 \alpha + 24 \alpha^2 - 2\alpha^3) \ln(1 - \alpha) + ls \left[\alpha \left(25 - \frac{69}{2} \alpha + \frac{46}{3} \alpha^2 - \frac{7}{12} \alpha^3 \right) + (1 - \alpha) (25 - 27\alpha + 6\alpha^2) \ln(1 - \alpha) \right] \right\}$$

$$(4) \text{ and }$$

summing over the electron and photon spin states

$$\frac{d\overline{W}(\alpha) = \frac{Ak_{0n}^{2}d\Omega}{2^{2}\alpha^{6}} \left\{ (1+\lambda^{2}) \left[\alpha \left(45 - \frac{181}{2} \alpha + 48\alpha^{8} - \frac{87}{12} \alpha^{8} \right) + \right. \\
\left. + (1-\alpha) \left(45 - 63 \alpha + 24 \alpha^{2} - 2\alpha^{3} \right) \ln (1-\alpha) \right] + \\
+ 2\lambda \left[\alpha \left(25 - \frac{69}{2} \alpha + \frac{46}{3} \alpha^{2} - \frac{7}{12} \alpha^{3} \right) + (1-\alpha) \left(25 - 27\alpha + 6\alpha^{2} \right) \ln (1-\alpha) \right] \right\}.$$

$$\frac{d\Omega}{d\Omega} = \sin \theta d\theta d\varphi, \alpha = \sin^{2}(\theta/2), \overline{A} = (eag_{A}k_{0n}/\pi\hbar c)^{2}.$$
Card $2/4$

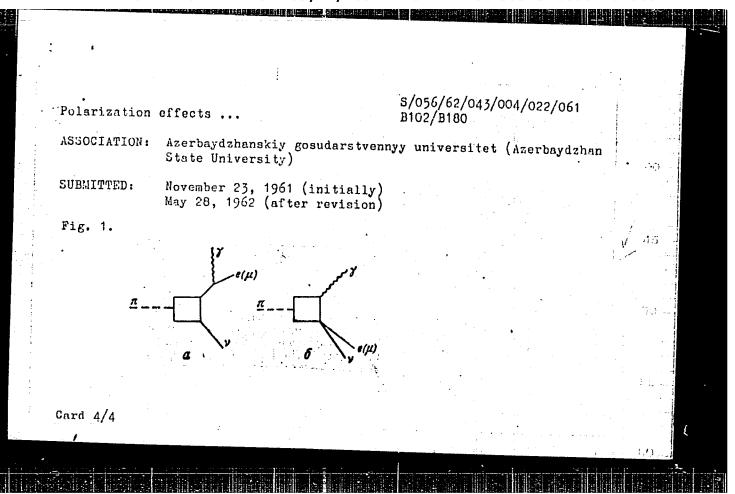
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Polarization effects ...

is obtained, which holds for any A. For pion decay according to graph a, the photon (electron) angular distribution is

$$dW_{I}(\alpha, l, s) = \frac{A_{I}k_{0n}d\Omega}{2^{3}\alpha^{3}}(1 + ss_{*})\left\{\alpha + (1 - \alpha)\ln(1 - \alpha) + 2\alpha^{2}(1 - \alpha)\left(\ln\frac{1}{1 - y_{max}} - 1\right) + ls\left[\alpha(1 - 2\alpha) + (1 - \alpha)\ln(1 - \alpha)\right]\right\}.$$
(5).

From (4) and (5) it follows that for all weak interactions according to b, electrons and positrons are polarized in longitudinal opposite directions. For graph a in weak V, A interaction, the electron spin is parallel and the positron spin antiparallel to the momentum. With graph b and $\lambda = 1$ the photons from π and π decay can be polarized only parallel (π) or antiparallel (π) to the direction of motion. For $\lambda = -1$ the inverse holds, and for $\lambda \neq 1$ the photons are circularly polarized. These selection rules are verified by examining the energy spectrum of electrons (positrons) and the angular distribution of photons (electrons). Only these spectra (and not, e. g., the photon energy spectrum and the e-polarization signs) yield information about the predominance of V-A or V+A variants: In V+A interaction, the photons from π^+ decay are emitted at angles around $\theta = \pi$, in V-A interaction around $\theta = 0$. There are 3 figures.



3/058/63/000/001/041/120 A062/A101

AUXHORS:

Gadzhiyev, S. A., Atakishiyev, N. M.

TITLE:

Electron polarisation in $\Pi^{+} \rightarrow \Pi^{0} + e^{+} + y$ decay

PERIODICAL: Referativny sharmal, Fizika, no. 1, 1963, 3, abstract 18243 ("Uch. sap. Aserb. un-t. Ser. fis.-matem. 1 khim. n.", 1961, no. 3, 81 - 85)

TRUT: The longitudinal polarisation of decay electrons is calculated in the $\Pi^+ \to \Pi^0 + e^- + v$ decay for the case of V-A interaction; corresponding formulae and diagrams are given. The polarization degree Pe strongly depends on the energy at angles θ between electron-neutrino momenta in the range 90 - 1750; for $0^{\circ} \le \theta \le 45^{\circ}$ and $\theta \approx 180^{\circ}$, P_{θ} is approximately equal to +1, respectively, independently of the energy. Also expressions and curves for the electron energy spectrum are obtained. The authors conclude that the decay takes place uninly with an emission of positrons (electrons) with a right-hand (left-hand) polarization. The dependence Pe on the electron energy x, as found by the authors, gives evidence of the increase in the fraction of longitudinally polarized ele trons with the increase of x. [Abstractor's note: Complete translation]

Card 1/1

GADZHIYEV, S.A.; AVAM SOVA, A.M.

Viscosity meter for determining the structural-mechanical indices of clay muds at high temperature. Burenie no.5:12-15 '64. (MIRA 18:5)

1. Azerbaydzhanskiy nauchno-issledovatel'skiy institut po dobyche nefti.

GADZHIYEV, S.A.; VORONOV, A.A.; SAZONOV, A.M.

Atrial eptal defects; diagnosis and surgical trainent. Khirurgila no.10:48-53 *64. (NIRA 18:8)

1. Kafedra grudnoy khirurgii i anesteziologii (247. - prof. S.A. Gadzhiyev), Ieningrad.

GADZHIYEV, S.A., prof. (Leningrad, M-70, ul. Frunze, d.L., kv.5);

VANEVSKIY, V.L.; DOGEL', L.V.; TOLSTOV, G.V.

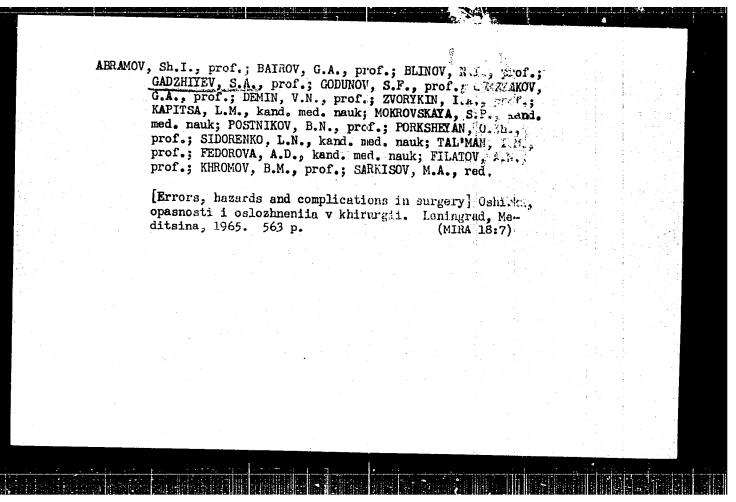
Immediate and late results of surgical treatment of myasthonia.
Grud. khir. 6 no.6:80-86 N-D '64.

(MIRA 18:7)

1. Kafedra grudnoy khirurgii i anesteziologii (zav. - prof.
S.A. Gadzhiyev) i kafedra nervnykh bolezney (zav. - prof. V.V.
Semenova-Tyan'shanskaya) Leningradskogo instituta usovershenstvovaniya vrachey imeni S.M. Kirova.

Esophageal diverticula and their surgical treatment. Vest. khir. 93
no.8:41-46 Ag '64. (MIRA 18:7)

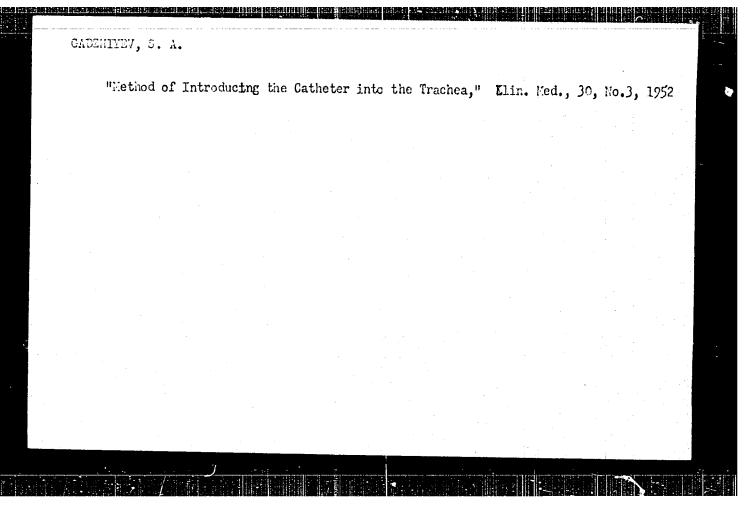
1. Iz kafedry grudnoy khirurgii i anestesiologii (sav. - prof.
S.A.Gadshiyev) Leningradskogo ordena Lenina instituta usovershenstvovaniya vrachey imeni Kirova.

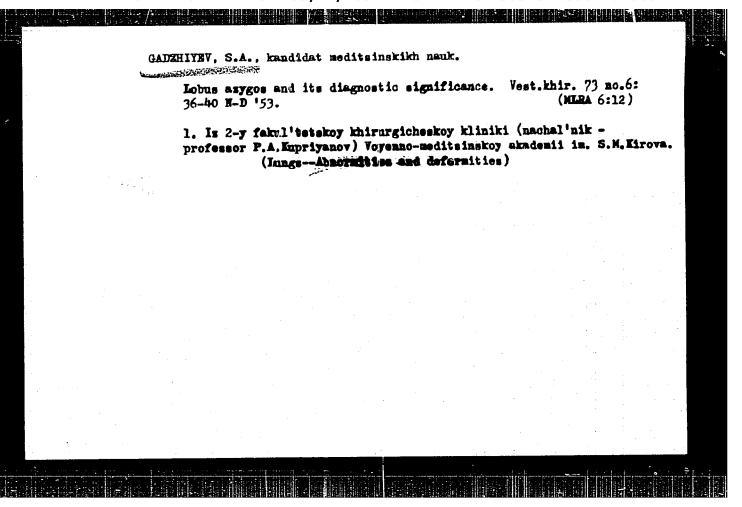


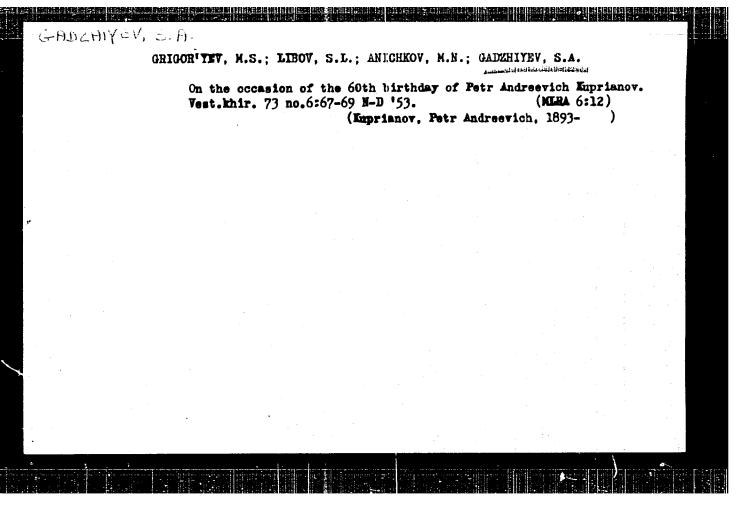
GADERITY W. S.A.; VORCHOV. A.A.; VASCLIEW, V.E.

Artificial blood circulation in surgery on the open heart.
Azerb. med. shur. 41 no. 10:9-15 c *64 (NIRA 19x1)

1. Iz kafedry grudnoy khirurgii (zav. - prof. S.A. Gadzhiyev)
Leningradskogo Gosudara tvennogo instituta dlya usovershenstvovaniya vrachey imeni Kirova.







GADZHIYEV, S.A., kandidat meditsinskikh nauk.

Impaired passage through the esophagus caused by chronic mediastinitis.

Khirurgiia no.10:75-77 0 '55. (MIRA 9:2)

1. Is 2-y fakul'tetskoy khirurgicheskoy kliniki (nach. deystvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov) voyenno-meditsinskoy akademii imeni S.M. Kirova.

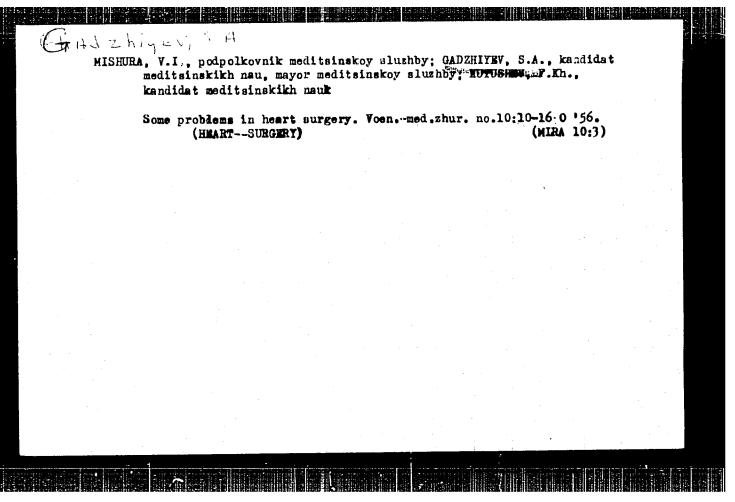
(ESOPHACUS, dis.

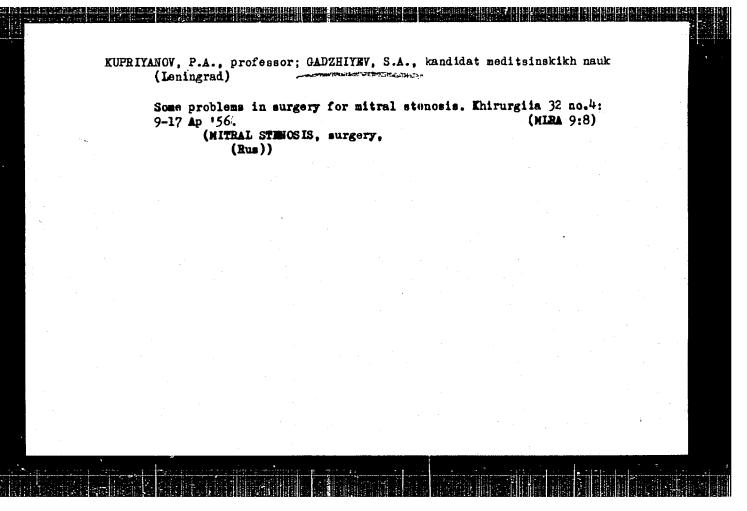
impaired passability caused by mediastinitis, clin.

aspects & prev.)

(MEDIASTINITIS, compl.

impaired passability of esophagus, clin. aspects & prev.)





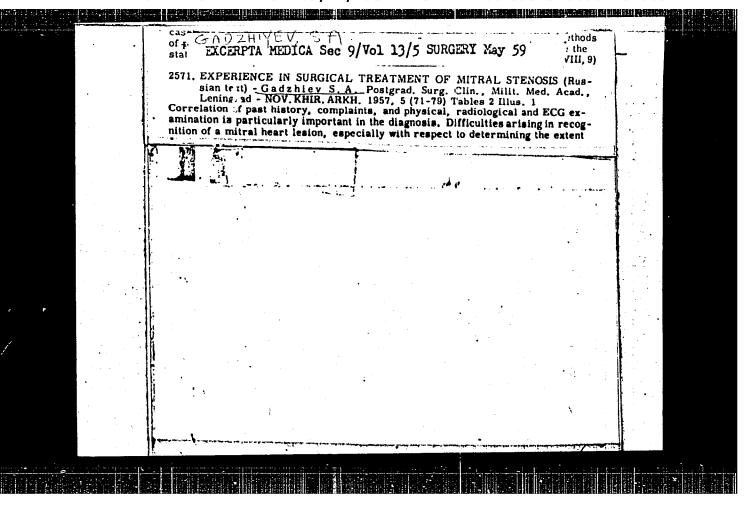
GADZHIYN, S.A., kandidat meditainskikh nauk (Leningrad, V.O., 1-ya liniya, d.18. kv. 32); MISHURA, V.I.

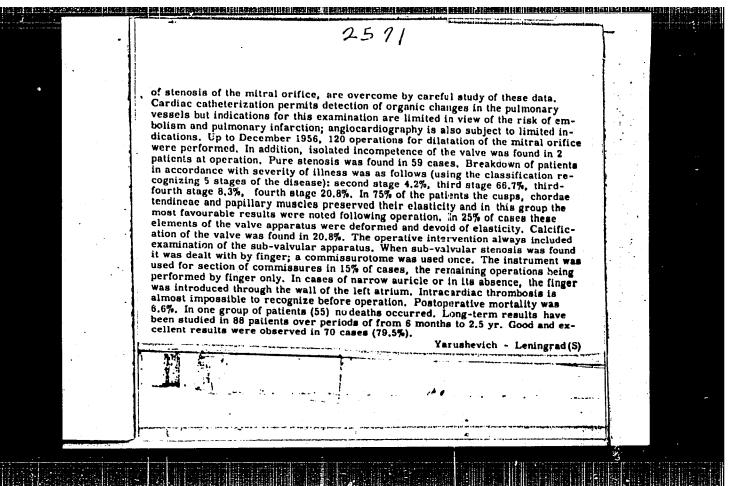
Diagnosis and treatment of Lutembacher's syndrome [with summary in English, p.157] Vest.khir. 77 no.7:15-23 J1 '56. (MIRA 9:10)

1. Is khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. - prof. P.A.Kupriyanov) Voyenso-meditsinskoy ordena Lenina akademii im. S.M.Kirova.

(CAEDIOVASCULAR DEFECTS, GONGENITAL, diag. & surg.)

EXCERPTA NEDICA Sec.9 Vol.11/4 Surgery April 57 GADSHIYEV, S.A. 1902. GADSCHIEV S.A. and MISHURA V.I. Surg. Clin., Milit. Med. Acad., Leningrad. *Diagnosis and treatment of the Lutembacher syndrome (Russian text) VESTN.KHIR.1956, 7 (15-23) Illus. 4
The interatrial defect can present itself as an ostium primum or, more often, Botal's foramen ostium secundum. Data were given on 4 patients with I utembacher syndrome. In the investigation all available diagnostic methods were employed - anglocardiography, phonocardiography, electrocardiography, vectorcardioscopy, etc. In 3 patients the defect manifested itself in puberty, in one patient at the age of 26 during her first pregnancy. The first 3 patients were often ill in childhood and their physical development was retarded; a certain dwarfing was apparent although there was no serious interference with work capacity. The clinical picture was characterized by dyspnoea, tachycardia and acrocyanosis. A study of the respiration established the fact, that with a Lutembacher syndrome the co-efficient of oxygen consumption during exercise increases corresponding with an increase of the respiratory minute volume, while, with a combined mitral defect with a predominance of stenosis, it falls with a considerable increase in the respiratory minute volume. One female patient was operated on and the defect in the interatrial wall was easily penetrated by the surgeon's finger; the left venous aperture constricted up to 1.5 cm. in length, was enlarged up to 4 cm. after separation of the commissures. The condition of the patient was good one year after intervention. References 23. Gadshiev - Leningrad





GADZHIYEV, S.A., kendidat meditainskikh nauk

lectation in acute mastitis. Pediatriia no.6:31-34 Je 157.
(MRA 10:10)

1. Iz fakul'tetskoy khirurgicheskoy kliniki I Leningradekogo meditainskogo instituta imeni akad. I.P.Pavlova (zav. - deyatvitel'nyy chlen ANN SSSR A.V.Mel'nikov)
(IACTATION) (BREAST--DISPASES)

SOROKIN, P.A.; MITROPOL'SKIY, A.N.; GADZH IYEV, S.A.; BLESTKINA, T.G.

Changes in certain indexes of cardiovascular function in mitral stenosis following commissurotomy. Terap. arkh. 29 no.8:3-9
'57.

1. Iz kliniki fakul'tetskoy teravii (nach.-prof. B.A.Beyyer) i iz kliniki khirurgii dlya usovershenstvovaniya vrachey (nach.-prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(COM:'ISSUROTOMY, poston.-cardiovasc. funct. (Rus)

KUPRIYANOV, P.A., professor; GADZHIYEV, S.A., kandidat meditsinskikh nauk;
BLESTKINA, T.G.

Should slowly developing rheumatic heart disease be considered a contraindication for mitral commissurotomy? [with summary in English]
Khirurgita 33 no.5:26-32 My '57. (MIRA 10:8)

1. Is khirurgicheskoy kliniki dlys usovershenstvovaniya vrachey (nach. - prof. P.A.Kupriyanov) Voyanno-meditsinskoy ordens Lenina akademii imeni S.M.Kirova

(COMMISSUROTOMY

contraindic. of slowly developing rheum. heart dis. for mitral commissurotomy (Eus))

Auricular fibrillation after mitral commissurctomy [with summary in English]. Enrurgia 33 no.8:56-53 Ag '57. (HIRA 11:4)

1. Is khirurgicheskoy kiniki usovershenstvovaniya vrachey (nach-deystvitel'nyy chlen ANS SSR prof. P.A. Empriyanov) Voyennomeditsinskoy ordena Lenina akademii im. S.M. Kirova.

(COMMISSURCTOMT, compl.

auric. flutter after mitral commissurctomy)

(AURICULAR FLITTER, etiol. and pathogen.

mitral commissurctomy)

UVAROV, B.S., SHANIN, Yu.W., kand.med.nauk, GADZHIYEV, S.A., kand.med.nauk

Anesthesia in mitral commissurotomy [with summary in English].

Inirurgiia 34 no.6:66-74 Je '58

1. Iz khirurgicheskoy kliniki dlya usovershenstvovaniya vrachey
(nach. - destvitel'nyy chlen AMN SSSR prof. P.A. Kupriyanov)
Voyenno-meditsinskoy ordena Lenina Akademii imeni S.M. Kirova.

(COMMISSUROTOMY. anesthesia d analgesis.

in mitral stenosis, method (Rus))

(ANESTHESIA,

in commissuroty for mitral stenosis, method (Rus))

SOROKIN, F.A., dots.; GARMHIVEV, S.A., kand.med.nauk; MITROFOL'SKIY, A.N., kand.med.nauk (Leningred)

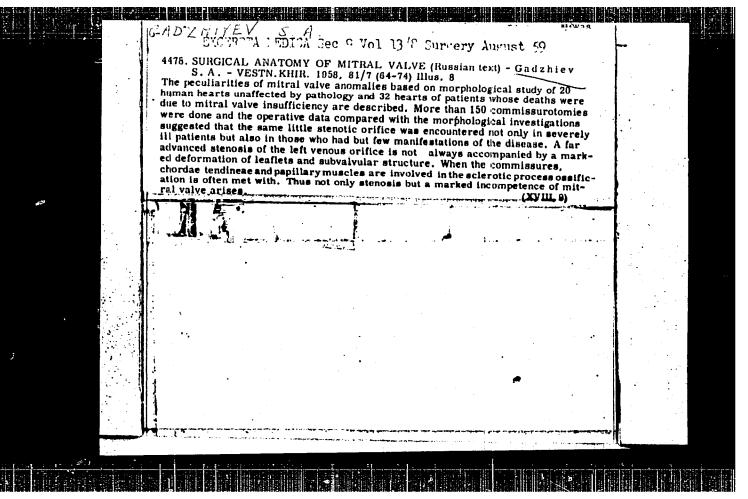
Some problems in the diagnosis of mitral stenosis in connection with its surgical treatment. Elin.mei. 36 nc.1:60-67 Jm '58. (NIRA 11:3)

1. Is khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach.deystvitel'myy chlen ANN SSSR prof. P.A.Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

(MITRAL STENOSIS, dieg.

problems in eyaluation for surg. (Rns)

e coming a faint in 1911 in that a same near a same as a same fair that district district in the relation IZBINSKII, A.L., kand.med.nauk (Leningrad, D-25, ul. Marata, d.10, kv.6) GADZHIYEV, S.A., kand.med.nauk, SHAMARIHA, T.N., kand.med.nauk. Standardization of technics in investigating externatl respiration and in cardiac catheterization in mitral stenosis [with summary in English] (MIRA 11:8) Vest.khir. 81 no.7:47-57 51:58 1. Iz khirurgicheskoy kliniki usovershenstvovaniya vrachey (nach. prof. P.A. Kupriyanov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova. (MITRAL STENOSIS, diag. extornal resp. impairment & cardiac catheterization, correlation of data (Rus)) (RESPIRATION, function tests. in mital stenosis (Rus)) (CATHETERIZATION, CARDIAC, in var.dis. mitral stenosis (Rus))



KERIMOV, B.K.; MUKHTAROV, A.I.; GARZHIYEV, S.A.

Longitudinal polarization of an electron-positron pair in the decay of a neutral γ-meson. Izv.vys.ucheb.zav.;fiz. no.2:26-30 160.

(MIRA 13:8)

1. Moskovskiy gosuniversitet im. M.V.Lomonosova i Azerbaydzhanskiy gosusiversitet im. S.M.Kirova.

(Mesons--Decay)